

CLAIMS

1. An immunostimulatory oligonucleotide that is represented by the general formula 5'-Gm-GACGATCGTC-Gn-3' or 5'-Gm-CACGATCGTG-Gn-3' (in the formula, m and n are each independently an integer from 1 to 9 and m+n=10) and that
5 comprises any of the following base sequences:

GGACGATCGTCGGGGGGGGG (SEQ. ID. NO.: 1),
GGGACGATCGTCGGGGGGGGG (SEQ. ID. NO.: 2),
GGGGACGATCGTCGGGGGGGG (SEQ. ID. NO.: 3),
10 GGGGGGACGATCGTCGGGGG (SEQ. ID. NO.: 4),
GGGGGGGACGATCGTCGGG (SEQ. ID. NO.: 5),
GGGGGGGGACGATCGTCGG (SEQ. ID. NO.: 6),
GGGGGGGGGACGATCGTCG (SEQ. ID. NO.: 7), and
GGGGGGGGGCACGATCGTGG (SEQ. ID. NO.: 8)

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2. The immunostimulatory oligonucleotide according to claim 1 comprising GGGGGGGGGGACGATCGTCG (SEQ. ID. NO.: 7).

3. A pharmaceutical formulation according to claim 1
20 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising a base sequence set forth in any of SEQ. ID. NO.: 1 to 8.

4. A pharmaceutical formulation according to claim 1
25 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising the base sequence set forth in SEQ. ID. NO.: 7.

5. A pharmaceutical formulation according to claim 1
30 or 2 comprising as an active ingredient an immunostimulatory oligonucleotide comprising a base sequence set forth in any of SEQ. ID. NO.: 1 to 8 and further comprising an immunomodulating factor.

5 6. A pharmaceutical formulation according to claim 1
or 2 comprising as an active ingredient an immunostimulatory
oligonucleotide comprising the base sequence set forth in
SEQ. ID. NO.: 7 and further comprising an immunomodulating
factor.

 7. A pharmaceutical formulation according to claim 5
or 6 wherein said immunomodulating factor is an antigen or
an adjuvant.